## INTERNATIONAL SEARCH REPORT

Internation: lication No PCT/IB 03/05886

A. CLASS	SIFICATION OF SUBJECT MATTER	<del></del>						
IPC 7	G02F1/1362							
	to International Patent Classification (IPC) or to both national classi	fication and IPC						
	SEARCHED							
IPC: 7	ocumentation searched (classification system followed by classification sy	ation symbols)	·					
	tion searched other than minimum documentation to the extent that							
	data base consulted during the international search (name of data ternal, WPI Data, PAJ	pase and, where practical, search terms used	d)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the n	elevant passages	Relevant to claim No.					
Α .	US 5 650 358 A (GU TIEER ET AL) 22 July 1997 (1997-07-22) the whole document		1,9					
<b>A</b>	US 5 724 111 A (KANOH HIROSHI E 3 March 1998 (1998-03-03) figure 3; example 1	T AL)	1,9					
Α	US 6 37? 534 B1 (DEN BOER WILLEM 16 April 2002 (2002-04-16) column 5, line 56 - column 7, li figure 4	1,9						
А	US 5 682 211 A (YAO WILLIAM ET 28 October 1997 (1997-10-28) column 4, line 3 - line 67; figur	1,9						
		-/						
	er documents are listed in the continuation of box C.	Patent family members are listed i	п аплех.					
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document or particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled</li> </ul>								
Mater dia	nt published prior to the international filing date but an the priority date claimed	in the art.  *&* document member of the same patent for						
	ctual completion of the international search	Date of mailing of the international sear	ch report					
17 March 2004		25/03/2004						
ivame and ma	ailing address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Authorized officer  Lord, R						
		Loi u, il						

## INTERNATIONAL SEARCH REPORT

Internations lication No
PCT/IB 03/05886

	PCT/IB 03/05886
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
US 6 097 454 A (TAKEMURA YASUHIKO ET AL) 1 August 2000 (2000-08-01) column 6, line 18 - column 8, line 17; figures 1,2	1,9
"PIXEL STRUCTURE FOR HIGH APRTURE RATIO ACTIVE MACTRIX LIQUID CRYSTAL DISPLAYS" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 40, no. 11, 1 November 1997 (1997-11-01), pages 3-5, XP000739901 ISSN: 0018-8689 the whole document	1,9
	·
	US 6 097 454 A (TAKEMURA YASUHIKO ET AL)  1 August 2000 (2000-08-01)  column 6, line 18 - column 8, line 17;  figures 1,2  "PIXEL STRUCTURE FOR HIGH APRTURE RATIO  ACTIVE MACTRIX LIQUID CRYSTAL DISPLAYS"  IBM TECHNICAL DISCLOSURE BULLETIN, IBM  CORP. NEW YORK, US,  vol. 40, no. 11,  1 November 1997 (1997-11-01), pages 3-5,  XP000739901  ISSN: 0018-8689

## INTERNATIONAL SEARCH REPORT

International lication No PCT/IB 03/05886

				PCT/I	B 03/05886
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5650358	Α	22-07-1997	US	5872370 A	16-02-1999
US 5724111	Α	03-03-1998	JP	2768313 B2	25-06-1998
			JP	8338993 A	24-12-1996
			US	6266112:B1	24-07-2001
			US	5796455 A	18-08-1998
			US	6018379 A	25-01-2000
US 6372534	B1	16-04-2002	US	6104606	
00 00,200,	D1	10-04-2002		6124606 A	26-09-2000
			US	2002098629 A1	25-07-2002
			US	2002 <u>0</u> 93027 A1	18-07-2002
			US	6365916 B1	02-04-2002
			US	6307215 B1	23-10-2001
			US	2001029057 A1	11-10-2001
	•		US	5994721 A	30-11-1999
			ΑT	231247 T	15-02-2003
			CA	2178232 A1	07-12-1996
			DE	69625750 D1	20-02-2003
			DE	69625750 T2	18-09-2003
			DK	752611 T3	14-04-2003
			EΡ	1256836 A2	13-11-2002
			EP	0752611 A2	08-01-1997
			ES	2188691 T3	01-07-2003
			JP	9022028 A	21-01-1997
			PT	752611 T	30-04-2003
			SI	752611 T1	30-06-2003
			ÜŜ	2002088982 A1	
			ÜS	5955744 A	11-07-2002
			US	6320226 B1	21-09-1999
			US.	5641974 A	20-11-2001
			US	6376270 B1	24-06-1997
			US	2001011728 A1	23-04-2002
			US	5780871 A	09-08-2001
			US		14-07-1998
				5920084 A	06-07-1999
US 5682211	Α	28-10-1997	EP	0745885 A2	04-12-1996
			JP	8328040 A	13-12-1996
		•	DE	69523807 D1	20-12-2001
			DE	69523807 T2·	04-04-2002
			EP	. 0679922 A1	02-11-1995
			JP	8043860 A	16-02-1996
			US	5621556 A	15-04-1997
			US	5867242 A	02-02-1999
US 6097454	Α	01-08-2000	JP	10010580 A	16 04 4066
	••	J1 00 2000	JP	10010580 A 10010581 A	16-01-1998
			VI.	TOCTODE W	16-01-1998
			US	6005648 A	21-12-1999